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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method of inhibiting bacterial growth by contacting a bacteria with at least one disaccharide compound of General Formula I,

General Formula I

Wherein T is either R or -XR,

X is selected from the group consisting of oxygen, sulphur, NHC(O)-,

R is selected from the group consisting of: H, alkyl, alkenyl, alkynyl, heteroalkyl, aryl, heteroaryl, arylalkyl or heteroarylalkyl of 1 to 20 carbon atoms,

U and Z are independently selected from the group consisting of: OR, NHR, NR(R) (wherein R may be the same of different), or

R¹ and R² are independently selected from the group consisting of: H, CH₃, CH₂XR, and C(O)NHR,

R³ and R⁴ are independently selected from the group consisting of H, OH, OR, NHCOR, and, W is independently selected from the group consisting of OR^L, NHR^L, NR^LR, or

wherein R^L is selected from the group consisting of: a substituted or unsubstituted, linear or branched, saturated or unsaturated C3 to C55 alkyl, heteroalkyl, arylalkyl, alkylaryl chain.

- 2. (Withdrawn) The method of claim 1, wherein R^L is substituted by a moiety selected from the group consisting of: acidic groups, carboxylic acids, sulfonic acids, phosphoric acids, tetrazoles, or other carboxylic acid mimetics, basic groups, amines, guanidiniums, amidines, imidazoles, oxazoles, or other amine mimetics.
- 3. (Original) The method of claim 1, wherein one or more R groups is substituted by a moiety selected from the group consisting of: OH, NO, NO₂, NH₂, N₃, halogen, CF₃, CHF₂, CH₂F, nitrile, alkoxy, aryloxy, amidine, guanidiniums, carboxylic acid, carboxylic acid ester, carboxylic acid amide, aryl, cycloalkyl, heteroalkyl, heteroaryl, aminoalkyl, aminodialkyl, aminotrialkyl, aminoacyl, carbonyl, substituted or unsubstituted imine, sulfate, sulfonamide, phosphate, phosphoramide, hydroxamate, hydroxamic acid, heteroaryloxy, carbamoyl, aminoaryl, aminoheteroaryl, thioalkyl, thioaryl or thioheteroaryl.

4. (Original) The method of claim 1, wherein the compound comprises

General Formula II

Wherein the disaccharide linkage is alpha or beta, A is hydrogen, OR or SR.

5. (Original) The method of claim 1, wherein the compound comprises

General Formula III

Wherein A is hydrogen, OR or SR.

- 6. (Original) The method of claim 1, wherein the bacteria is a Gram + bacteria.
- 7. (Withdrawn) The method of claim 1, wherein the bacteria is a Gram bacteria.

- 8. (Original) The method of claim 1, wherein the bacteria is selected from the group consisting of an E-coli,, Micrococcus luteus, Staphylococcus aureus, Staphylococcus aureus MRSA, Enterococcus faecalis, Enterococcus faecalis Vancomycin resistant and Streptococcus pyogenes.
- 9. (Withdrawn) The method of claim 1, wherein the bacteria is *Staphylococcus aureus* and the compound is

wherein R1 is A5 and R2 is A9 and wherein the substituents A are given in TABLE 1

10. (Withdrawn) The method of claim 1, wherein the bacteria is Staphylococcus aureus and the compound is

n	X	Y	R2	R3
1	A1	A10	A11	A7
1	Al	A10	Å4	A 9
0	Al	A10	A12	A9
· 0	A1	A10	A5	A 7
0	A1	A 10	A5	A 9
1	A10	A1	A5	A7

and wherein the substituents A are given in TABLE 1

11. (Withdrawn) The method of claim 1, wherein the bacteria is Staphylococcus aureus and the compound is

R2	R3
A5	A7
A5	A9

and wherein the substituents A are given in TABLE 1

12. (Withdrawn) The method of claim 1, wherein the bacteria is Staphylococcus aureus and the compound is

			_
x	Y	R2	R3
A1	A10	A12	A7
A1	A10	A4	A9
A1	A10	A4	A7 .
A1	A10	A4	A 1
Al	A10	A5	A9
A1	A10	A19	A 9
A1	A10	A19	A7
A1	A10	A19	A25
A1	A10	A19	A22
Al	A10	A19	A16
Al	A 10	A19	A23
A1	A10	A19	A26
A1	A10	A19	A27
A1	A10	A19	A28
Al	A10	A19	A29
A14	Al	A2	A9
A14	A1	A3	A9
A14	A1	A12	A9
A14	Al	A4	A 9
A14	Al	A15	A 9

and wherein the substituents A are given in TABLE 1

13. (Withdrawn) The method of claim 1, wherein the bacteria is Staphylococcus aureus and the compound is

X	Y	R2	R3
A10	A1	A17	A7
A10	A1 .	A 5	A 7
A1	A13	A2	A9
A 1	A13	A5	A7
A1	A13	-A5	A9

14. (Currently Amended) The method of claim 1, wherein the bacteria is Staphylococcus aureus and the compound is

R1	R2	R3
A20	A20	A8
A5	A1	A7 -
A5	A3	A7
A5	A3	A1
A5	A21	A7
A5	A21	A1
A5	A17	A7
A5	A4	A7
A5	_A4	A 1
A5	A44.	A7
A5	A5	A25
A5	A5.	C ₁₀ H ₂₁
A5	A5	A39
A5	A5	A40
A5	A5	A22
A5	A5	bis-pentyl
A5	A5	A32
A5	A5	A31
_A5	A5	A30
A5	A 5	A33
A5	A5	· A34
A5	A5	A36
. A5	A5	A6
A5	A5	A7
A5	A5	A23
A5	A5	A8

A5	A5	A9
A5	A3	A9 -
· A5	A4	A 9
A18	·A4	A9

Alis Alis Hac Alis Alis Alis Alis Alis Alis Alis Alis
A8 is A9 is A17
is A18 is A20 is FaC H
A21 is A22 is A23
is A25 is A30
is A31 is A32
is , A33 is , A34

The method of claim 1, wherein the bacteria is E. coli and the compound 15. (Withdrawn) is

X	Y	R2	R3
A 1	A10	A4	A9
. A1	A10	A4	A7
A1	A10	A19	A9
A1	A10	A19	A7
Al	A10	A19	A25
Al	A10	A19	A22
A 1	A10	A19	A16
A1	A10	A19	A23
A1	A10	A19	A26
A1	A10	A19	A27

A1	A10	A19	A28
A1	A10	.A19	A29
A14	A1	A2	A9
A14	A1	A3	A9
A14	A1	A12	A9
A14	A1	A4	A9
A14	A 1	A15	A 9

and wherein the substituents A are given in TABLE 1

16. (Withdrawn) The method of claim 1, wherein the compound is

Comp.	R1	R2	R3
42	A20	A20	A8
51	A5	A4	A9
. 56	A5	A5	C ₁₀ H ₂₁
65	A5	A5	A34
67 .	A5	_A5	A42
68	A5	A5	A32
69.	A5	A5	A36
70	A5	A5	A37
73	A5	A5	A6
. 74	A5	A5	A7
75	A5	A5	A23
76	A5	A5	A8
. 77	A5	A5	A9

and wherein the substituents A are given in TABLE 1 and the bacteria is *Micrococcus luteus*.

17. (Currently Amended) The method of claim 1, wherein the compound is

Comp.	R1	R2	R3
42	A20	A20	. A8
51	A5	A 4	[A9
56	A5	A5	C ₁₀ H ₂₁
67	A5	A5	A42
68	A5	A5	A32
69	A5	A5	A36
73	A5	A5	A6
74	A 5	A5	A7
75	A5	A5	A23
76	A 5	A5	A8
77	A5	A5-	A9

and the bacteria is Staphylococcus aureus.

18. (Currently Amended) The method of claim 1, wherein the compound is

Comp.	R1	R2	R3
42	A20	A20	A8
51	A5	A4	·A9
- 56	A5	A5	C ₁₀ H ₂₁
67	A5	A5	A42
69	A5	A 5	A36
73	A5	A5	:A6
74	A5	A5	A7
75	A5	A:5	A23
76	A5	A5	A8
. 77	A:5	A5	A9

and wherein the bacteria is Staphylococcus aureus MRSA.

19. (Withdrawn) The method of claim 1, wherein the compound is

Comp.	R1	R2	R3
42	A20	A20	A8
51	A5	A4	A9

56	A5	A5	C ₁₀ H ₂₁
65	A5	A5	A34
. 67	A5	A5	A42
68	A5	A5	A32
69	A5	A5	.A36
70	A5	A 5	·A37
73	A5	A5	A6
74	A5	A5	· A7
75	A5	A5	A23
76	A5	A5	A8
77	A5	A5	A9

and wherein the substituents A are given in TABLE 1 and the bacteria is *Enterococcus faecalis*.

20. (Withdrawn) The method of claim 1, wherein the compound is

Comp.	R1	R2	R3
42	A20	A20	: A8
51	A5	A4	- A 9
. 56	A5_	A5	C ₁₀ H ₂₁
65	A5	A5	A34
67	A5	A5	A42
68	A5	A5	-A32
69	A5	A5	A36
70	A5	A.5	:A37
73	A5	A5	A6
74	A5	A5	. A7
75	A5	A5	A23
76	A5	A5	A8

77	A5	A5	A9

and wherein the substituents A are given in TABLE 1

and wherein the bacteria is Enterococcus faecalis Vancomycin resistant

21. (Withdrawn) The method of claim 1, wherein the compound is

Comp.	R1	R2	R3
42	A20	A20	A8
51	A5	A4	A9
56	A5	A5	$C_{10}H_{21}$
65	A5	A5	A34
66	A5	A5	A41
67	A5	- A5	- A42
68	A5	A5	A32
69	A5	A5 ·	A36
70	A5	A5	A37
73	A5	A 5	. A6
74	A5	A5	A7
75	A 5	A5_	A23
76	A 5	A 5	A8
77	A5	A 5	A9

and wherein the substituents A are given in TABLE 1 and the bacteria is Streptococcus pyogenes

22. (Original) A method of inhibiting a bacterial infection in a mammal comprising administering an effective amount of a compound of claim 1 to the mammal.

- 23. (Withdrawn) An anti-bacterial pharmaceutical composition comprising a compound of claim 1 or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier.
- 24. (Original) The method of claim 1, wherein the bacterium is a resistant or susceptible strain of a Micrococcus, Streptococcus, Enterococcus or Staphylococcus.